

ABSTRACT OF THE DISCLOSURE

Ramp comparator pulse generators having temperature and voltage compensation are adapted for use in integrated circuit devices such as memory devices. Such pulse generators include a ramp signal generator, a threshold signal generator, and a comparator providing an output signal in response to a difference between the potential level of the threshold signal and the potential level of the ramp signal. The pulse generators described herein utilize an adaptive threshold signal generator configured as a voltage divider and having resistive components having differing effective temperature coefficients of resistivity. The adaptive threshold signal generator has an upper resistive component and a lower resistive component coupled in series between a high potential node and a low potential node. The lower resistive component has an effective temperature coefficient of resistivity that is less than an effective temperature coefficient of resistivity of the upper resistive component.